

## **SYSTEMS AND METHODS FOR MIXED RASTER CONVERSION IN DIRECT PRINTING**

### **ABSTRACT OF THE DISCLOSURE**

A system for compressing image data being sent to an imaging device is disclosed. The system includes a computing device with executable instructions. The executable instructions are executable on the computing device and are configured to implement a method for compressing image data being sent to an imaging device. Capabilities of an imaging device are obtained. Image data is decompressed upstream from a rasterization process of the imaging device. The image data is divided into one or more regions based on image data content. A compression algorithm is selected for each region based on content of each region and on the capabilities of the imaging device. The image data is compressed per region using one or more selected compression algorithms. The compressed regions are assembled into a mixed raster format.

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